

ABSTRACT

1 A method and apparatus for forming a high resolution LED
2 array. A plurality of LED chips are provided to form the
3 LED array. Each LED chip has an electrode that is inward
4 biased at each end of the chip by a predetermined amount.
5 The size of each LED chip is removed by reducing, at each
6 end of each chip, an amount of chip material
7 substantially equal to the predetermined amount. The
8 array is formed by placing each chip end to end with a
9 gap between each chip, wherein the gap is suitably large
10 for placement accuracies and a consistent pitch of 21.2
11 μm is maintained between each LED on each chip.

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